BRUHAT BANGALORE MAHANAGARA PALIKE

Estimate for Restoration and Improvments of balance roads of Chikkabettahalli village , Doddabettahalli Village, Adityanagara Phase-01 and Surrounding Areas in Ward no 03 of Yelahanka New town sub division, (Package 05), (Number of Works 02)

Restoration and Improvments of balance roads of Adityanagara Phase-01 and Surrounding Areas in Ward no 03 of Yelahanka Satelite town sub division

Restoration and Improvments of balance roads of Chikkabettahalli village and Doddabettahalli Village and Surrounding Areas in Ward no 03 of Yelahanka Satelite town sub division

COMBINED ESTIMATE

Est Cost: =1000.00Lakhs

Sl No	Description of Items	No	Length m	Width m	Depth m	Quantity	Unit	Rate	Amount
	Civil Work								
1	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete.II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (P.No. 139, I.No. 18.20 of CSR 2018-19)								
	Basic rate	390.00							
	6% AW	23.40							
	Total	413.40							
	Dismantling of Concrete								
	Ashwathkatte Road Dismantling								
	Ch 0-17	1	17.00	5.00	0.20	17.00			
	Ch 17-27	1	12.00	8.00	0.20	19.20			
	Ch 0-15	1	15.00	5.00	0.20	15.00			
	Ch 0-17	1	18.00	12.00	0.20	43.20			
	Balaji Gardenia Layout								
		1	10.00	2.00	0.20	4.00			
	Adithya Nagara								
	cross road I	1	27.00	5.00	0.20	27.00			
	7th cross road	1	120.00	6.50	0.20	156.00			
	Maramma temple surroundings								
	Cross Road N	1	96.00	4.00	0.20	76.80			
	Cross Road O	1	40.00	4.50	0.20	36.00			
	Cross Road Q	1	40.00	4.50	0.20	36.00			
	Cross Road R	1	30.00	4.00	0.20	24.00			
	Cross Road T	1	60.00	4.00	0.20	48.00			
	Cross Road U	1	45.00	4.00	0.20	36.00			
	Cross Road V	1	30.00	4.00	0.20	24.00			
	Cross Road W	1	35.00	4.50	0.20	31.50			
						593.70	**Cum**	**413.40**	**2,45,435.58**
2	Removing and resetting of footpath slab (P.No.265, I.No.37.56 of PW, P&IWTD SR 2016-17)							P 270	
	Basic rate	197.00							
	6% AW	11.82							
	Sub Total	208.82							
	Remove and Refixing of Slabs								
	Adithya Nagara								
	1st Cross Road RHS	1	355.00	0.90		319.50			
	1st Cross Road LHS	1	155.00	0.90		139.50			
	2nd Cross Road	2	260.00	0.90		468.00			
	4th Cross Road	2	45.00	0.90		81.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	5th Cross Road	2	155.00	0.90		279.00			
	6th Cross Road	2	120.00	0.90		216.00			
	Cross road A	2	70.00	0.90		126.00			
	Cross road B	2	100.00	0.90		180.00			
	Cross road C	2	130.00	0.90		234.00			
	Cross road D	2	165.00	0.90		297.00			
	Cross road E	2	110.00	0.90		198.00			
	Cross road F	2	170.00	0.90		306.00			
	Cross road G	2	75.00	0.90		135.00			
	Cross road H	2	170.00	0.90		306.00			
	Maramma temple surroundings								
	Cross road I	1	245.00	0.90	--	220.50			
	Cross road K	2	300.00	0.90	--	540.00			
	Cross road M	2	245.00	1.20	--	588.00			
	Cross road N	1	90.00	0.90	--	81.00			
	Cross road O	1	40.00	0.90	--	36.00			
	Cross road R	2	30.00	0.90	--	54.00			
	Cross road T	2	60.00	0.90	--	108.00			
	Cross road U	1	45.00	0.90	--	40.50			
	Cross road V	2	30.00	0.90	--	54.00			
	Cross road W	2	35.00	0.90	--	63.00			
	Over Head Tank Road	2	360.00	0.90		648.00			
	Damaged slabs/missing 20%					**-1,143.60**			
						4,574.40	**Sq-m**	**208.82**	**9,55,226.21**
3	KSRRB 300-1. **Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1)								
	Basic rate	130.00							
	8Km lead & Lift= 57+(2*1.28*8)	77.48							
	Sub Total	207.48							
	6% AW	7.80							
	Total	215.28							
	Desilt Only								
	Adithya Nagara								
	1st Cross Road RHS	1	355.00	0.60	0.60	127.80			
	2nd Cross Road	2	260.00	0.60	0.60	187.20			
	4th Cross Road	2	45.00	0.60	0.60	32.40			
	5th Cross Road	2	155.00	0.60	0.60	111.60			
	6th Cross Road	2	120.00	0.60	0.60	86.40			
	Cross road A	2	70.00	0.60	0.60	50.40			
	Cross road B	2	100.00	0.60	0.60	72.00			
	Cross road C	2	130.00	0.60	0.60	93.60			
	Cross road D	2	165.00	0.60	0.60	118.80			
	Cross road E	2	110.00	0.60	0.60	79.20			
	Cross road F	2	170.00	0.60	0.60	122.40			
	Cross road G	2	75.00	0.60	0.60	54.00			
	Cross road H	2	170.00	0.60	0.60	122.40			
	Maramma temple surroundings								
	Cross road I	1	245.00	0.60	0.60	88.20			
	Cross road K	2	300.00	0.60	0.60	216.00			
	Cross road M	2	245.00	0.60	0.60	176.40			
	Cross road N	1	90.00	0.60	0.60	32.40			
	Cross road O	1	40.00	0.60	0.60	14.40			
	Cross road R	2	30.00	0.60	0.60	21.60			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	Cross road T	2	60.00	0.60	0.60	43.20			
	Cross road U	1	45.00	0.60	0.60	16.20			
	Cross road V	2	30.00	0.60	0.60	21.60			
	Cross road W	2	35.00	0.60	0.60	25.20			
	Over Head Tank Road	2	360.00	0.60	0.60	259.20			
	New RCC Drain								
	Shri Venkateshwara Temple Road	2	155.00	1.40	1.20	520.80			
	Balaji Gardenia Layout								
	Cross Road 1A	2	30.00	1.10	0.90	59.40			
	Cross Road 1B	2	40.00	1.10	0.90	79.20			
	Cross Road 2A	2	30.00	1.10	0.90	59.40			
	Cross Road 2B	2	35.00	1.10	0.90	69.30			
	Cross Road 3	2	30.00	1.10	0.90	59.40			
	Cross Road 4	2	35.00	1.10	0.90	69.30			
	Adithya Nagara								
	1st Cross Road ch87 -ch286 LHS	1	200.00	1.10	0.90	198.00			
	3rd Cross Road	2	125.00	1.10	0.90	247.50			
	7th cross road	2	50.00	1.10	0.90	99.00			
	4th cross road @ end	2	75.00	1.10	0.90	148.50			
	Marammma Temple Surroundings								
	cross road A5	2	26.00	1.10	0.90	51.48			
	cross road A6	2	50.00	1.10	0.90	99.00			
	Maramma temple surroundings								
	cross road A	2	85.00	1.10	0.90	168.30			
	cross road C	2	75.00	1.10	0.90	148.50			
	cross road H	2	30.00	1.10	0.90	59.40			
	cross road I	1	245.00	1.10	0.90	242.55			
	cross road N	1	140.00	1.10	0.90	138.60			
	cross road O	1	40.00	1.10	0.90	39.60			
	cross road Q	2	40.00	1.10	0.90	79.20			
	cross road V	1	30.00	1.10	0.90	29.70			
	cross road A2	2	50.00	1.10	0.90	99.00			
	cross road A3	1	40.00	1.10	0.90	39.60			
	cross road A4	2	25.00	1.10	0.90	49.50			
	Choudeshwari layout								
	1st cross road	2	80.00	1.10	0.90	158.40			
	2nd cross road	2	75.00	1.10	0.90	148.50			
	3rd cross road	2	80.00	1.10	0.90	158.40			
	4th cross road	2	70.00	1.10	0.90	138.60			
	M M Layout								
	cross road	2	305.00	1.10	0.90	603.90			
	New Culvert								
		7	6.00	1.20	0.90	45.36			
		5	7.00	1.20	0.90	37.80			
		5	6.00	1.20	0.90	32.40			
		4	7.00	1.20	0.90	30.24			
						6,380.43	**Cum**	**215.28**	**13,73,578.97**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No-13,I No-4.3 of PWD BCSR 2018-19)								
	Basic rate	5,102.00							
	3.6*55.47	199.69							
	Sub Total	5,301.69							
	6% AW	318.10							
	Total	5,619.79							
	New RCC Drain								
	Shri Venkateshwara Temple Road	2	155.00	1.40	0.15	65.10			
	Balaji Gardenia Layout								
	Cross Road 1A	2	30.00	1.10	0.15	9.90			
	Cross Road 1B	2	40.00	1.10	0.15	13.20			
	Cross Road 2A	2	30.00	1.10	0.15	9.90			
	Cross Road 2B	2	35.00	1.10	0.15	11.55			
	Cross Road 3	2	30.00	1.10	0.15	9.90			
	Cross Road 4	2	35.00	1.10	0.15	11.55			
	Adithya Nagara								
	1st Cross Road ch87 -ch286 LHS	1	200.00	1.10	0.15	33.00			
	3rd Cross Road	2	125.00	1.10	0.15	41.25			
	7th cross road	2	50.00	1.10	0.15	16.50			
	4th cross road @ end	2	75.00	1.10	0.15	24.75			
	Marammma Temple Surroundings								
	cross road A5	2	26.00	1.10	0.15	8.58			
	cross road A6	2	50.00	1.10	0.15	16.50			
	Maramma temple surroundings								
	cross road A	2	85.00	1.10	0.15	28.05			
	cross road C	2	75.00	1.10	0.15	24.75			
	cross road H	2	30.00	1.10	0.15	9.90			
	cross road I	1	245.00	1.10	0.15	40.43			
	cross road N	1	140.00	1.10	0.15	23.10			
	cross road O	1	40.00	1.10	0.15	6.60			
	cross road Q	2	40.00	1.10	0.15	13.20			
	cross road V	1	30.00	1.10	0.15	4.95			
	cross road A2	2	50.00	1.10	0.15	16.50			
	cross road A3	1	40.00	1.10	0.15	6.60			
	cross road A4	2	25.00	1.10	0.15	8.25			
	Choudeshwari layout								
	1st cross road	2	80.00	1.10	0.15	26.40			
	2nd cross road	2	75.00	1.10	0.15	24.75			
	3rd cross road	2	80.00	1.10	0.15	26.40			
	4th cross road	2	70.00	1.10	0.15	23.10			
	M M Layout								
	cross road	2	305.00	1.10	0.15	100.65			
	New Culvert								
		7	6.00	1.20	0.20	10.08			
		5	7.00	1.20	0.20	8.40			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
		5	6.00	1.20	0.20	7.20			
		4	7.00	1.20	0.20	6.72			
						687.71	Cum	5619.79	38,64,760.10
5	Providing and laying plain/reinforced **cement concrete for side drains using M20 nominal mix** concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo-**Wall and Bottom Thickness 15 cm** (I No-37.59.1,P No-271) 37.59.2 P-271								
	Basic rate	6670.00							
	6*55.47	332.82							
	Sub total	7,002.82							
	6% AW	420.17							
	Total	7422.99							
	New RCC Drain								
	Raft Concrete								
	Shri Venkateshwara Temple Road	2	155.00	0.90	0.15	41.85			
	Balaji Gardenia Layout								
	Cross Road 1A	2	30.00	0.90	0.15	8.10			
	Cross Road 1B	2	40.00	0.90	0.15	10.80			
	Cross Road 2A	2	30.00	0.90	0.15	8.10			
	Cross Road 2B	2	35.00	0.90	0.15	9.45			
	Cross Road 3	2	30.00	0.90	0.15	8.10			
	Cross Road 4	2	35.00	0.90	0.15	9.45			
	Adithya Nagara								
	1st Cross Road ch87 -ch286 LHS	1	200.00	0.90	0.15	27.00			
	3rd Cross Road	2	125.00	0.90	0.15	33.75			
	7th cross road	2	50.00	0.90	0.15	13.50			
	4th cross road @ end	2	75.00	0.90	0.15	20.25			
	Marammma Temple Surroundings								
	cross road A5	2	26.00	0.90	0.15	7.02			
	cross road A6	2	50.00	0.90	0.15	13.50			
	Maramma temple surroundings								
	cross road A	2	85.00	0.90	0.15	22.95			
	cross road C	2	75.00	0.90	0.15	20.25			
	cross road H	2	30.00	0.90	0.15	8.10			
	cross road I	1	245.00	0.90	0.15	33.08			
	cross road N	1	140.00	0.90	0.15	18.90			
	cross road O	1	40.00	0.90	0.15	5.40			
	cross road Q	2	40.00	0.90	0.15	10.80			
	cross road V	1	30.00	0.90	0.15	4.05			
	cross road A2	2	50.00	0.90	0.15	13.50			
	cross road A3	1	40.00	0.90	0.15	5.40			
	cross road A4	2	25.00	0.90	0.15	6.75			
	Choudeshwari layout								
	1st cross road	2	80.00	0.90	0.15	21.60			
	2nd cross road	2	75.00	0.90	0.15	20.25			
	3rd cross road	2	80.00	0.90	0.15	21.60			
	4th cross road	2	70.00	0.90	0.15	18.90			
	M M Layout								
	cross road	2	305.00	0.90	0.15	82.35			
	Side wall Concrete								
	Shri Venkateshwara Temple Road	4	155.00	0.15	0.90	83.70			
	Balaji Gardenia Layout								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	Cross Road 1A	4	30.00	0.15	0.60	10.80			
	Cross Road 1B	4	40.00	0.15	0.60	14.40			
	Cross Road 2A	4	30.00	0.15	0.60	10.80			
	Cross Road 2B	4	35.00	0.15	0.60	12.60			
	Cross Road 3	4	30.00	0.15	0.60	10.80			
	Cross Road 4	4	35.00	0.15	0.60	12.60			
	Adithya Nagara								
	1st Cross Road ch87 -ch286 LHS	2	200.00	0.15	0.60	36.00			
	3rd Cross Road	4	125.00	0.15	0.60	45.00			
	7th cross road	4	50.00	0.15	0.60	18.00			
	4th cross road @ end	4	75.00	0.15	0.60	27.00			
	Marammma Temple Surroundings								
	cross road A5	4	26.00	0.15	0.60	9.36			
	cross road A6	4	50.00	0.15	0.60	18.00			
	Maramma temple surroundings								
	cross road A	4	85.00	0.15	0.60	30.60			
	cross road C	4	75.00	0.15	0.60	27.00			
	cross road H	4	30.00	0.15	0.60	10.80			
	cross road I	2	245.00	0.15	0.60	44.10			
	cross road N	2	140.00	0.15	0.60	25.20			
	cross road O	2	40.00	0.15	0.60	7.20			
	cross road Q	4	40.00	0.15	0.60	14.40			
	cross road V	2	30.00	0.15	0.60	5.40			
	cross road A2	4	50.00	0.15	0.60	18.00			
	cross road A3	2	40.00	0.15	0.60	7.20			
	cross road A4	4	25.00	0.15	0.60	9.00			
	Choudeshwari layout								
	1st cross road	4	80.00	0.15	0.60	28.80			
	2nd cross road	4	75.00	0.15	0.60	27.00			
	3rd cross road	4	80.00	0.15	0.60	28.80			
	4th cross road	4	70.00	0.15	0.60	25.20			
	M M Layout								
	cross road	4	305.00	0.15	0.60	109.80			
	New Culvert								
	Raft Concrete	7	6.00	1.00	0.20	8.40			
		5	7.00	1.00	0.20	7.00			
		5	6.00	1.10	0.20	6.60			
		4	7.00	1.10	0.20	6.16			
	Side Walls Concrete	12	6.00	0.20	0.50	7.20			
		10	7.00	0.20	0.50	7.00			
		12	6.00	0.20	0.50	7.20			
		10	7.00	0.20	0.50	7.00			
						1,308.87	**Cum**	**7422.99**	**97,15,690.76**
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.46.2								
	Basic rate	75610.00							
	6% AW	4536.60							
	Sub Total	80146.60							
	Consider 60kg/Cum for drain	1	1252.31	60.00		75.14			
	Consider 80kg/Cum for Culvert	1	56.56	80.00		4.52			
						79.66	**Tn**	**80146.60**	**63,84,478.16**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
7	Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Data Rate	1922.00							
	New RCC Drain								
	Shri Venkateshwara Temple Road	2	155.00	1.20		372.00			
	Balaji Gardenia Layout								
	Cross Road 1A	2	30.00	0.90		54.00			
	Cross Road 1B	2	40.00	0.90		72.00			
	Cross Road 2A	2	30.00	0.90		54.00			
	Cross Road 2B	2	35.00	0.90		63.00			
	Cross Road 3	2	30.00	0.90		54.00			
	Cross Road 4	2	35.00	0.90		63.00			
	Adithya Nagara								
	1st Cross Road ch87 -ch286 LHS	1	200.00	0.90		180.00			
	3rd Cross Road	2	125.00	0.90		225.00			
	7th cross road	2	50.00	0.90		90.00			
	4th cross road @ end	2	75.00	0.90		135.00			
	Marammma Temple Surroundings								
	cross road A5	2	26.00	0.90		46.80			
	cross road A6	2	50.00	0.90		90.00			
	Maramma temple surroundings								
	cross road A	2	85.00	0.90		153.00			
	cross road C	2	75.00	0.90		135.00			
	cross road H	2	30.00	0.90		54.00			
	cross road I	1	245.00	0.90		220.50			
	cross road N	1	140.00	0.90		126.00			
	cross road O	1	40.00	0.90		36.00			
	cross road Q	2	40.00	0.90		72.00			
	cross road V	1	30.00	0.90		27.00			
	cross road A2	2	50.00	0.90		90.00			
	cross road A3	1	40.00	0.90		36.00			
	cross road A4	2	25.00	0.90		45.00			
	Choudeshwari layout								
	1st cross road	2	80.00	0.90		144.00			
	2nd cross road	2	75.00	0.90		135.00			
	3rd cross road	2	80.00	0.90		144.00			
	4th cross road	2	70.00	0.90		126.00			
	M M Layout								
	cross road	2	305.00	0.90		549.00			
	Missing Cover Slab								
	@ 20% Missing					1,143.60			
						4,734.90	**Sqm**	**1922.00**	**91,00,477.80**
8	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	4486.00							
	New Culvert								
		7	6.00	1.20		50.40			
		5	7.00	1.20		42.00			
		5	6.00	1.20		36.00			
		4	7.00	1.20		33.60			
						162.00	**Sqm**	**4486.00**	**7,26,732.00**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
9	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No-13,I No-4.3 of PWD BCSR 2018-19)								
	Basic Rate	5,422.00							
	4.8*55.47	266.26							
	Sub total	5,688.26							
	6% Area weightage	341.30							
	Total	6,029.55							
		Cum							
	Shri Venkateshwara Temple Road	2	155.00	0.20	0.10	6.20			
	Balaji Gardenia Layout								
	Cross Road 1A	2	30.00	0.20	0.10	1.20			
	Cross Road 1B	2	40.00	0.20	0.10	1.60			
	Cross Road 2A	2	30.00	0.20	0.10	1.20			
	Cross Road 2B	2	35.00	0.20	0.10	1.40			
	Cross Road 3	2	30.00	0.20	0.10	1.20			
	Cross Road 4	2	35.00	0.20	0.10	1.40			
	Adithya Nagara								
	1st Cross Road ch87 -ch286 LHS	1	200.00	0.20	0.10	4.00			
	3rd Cross Road	2	125.00	0.20	0.10	5.00			
	7th cross road	2	50.00	0.20	0.10	2.00			
	4th cross road @ end	2	75.00	0.20	0.10	3.00			
	Marammma Temple Surroundings								
	cross road A5	2	26.00	0.20	0.10	1.04			
	cross road A6	2	50.00	0.20	0.10	2.00			
	Kerb Bottom Concrete								
	Maramma temple surroundings								
	cross road A	2	85.00	0.20	0.10	3.40			
	cross road C	2	75.00	0.20	0.10	3.00			
	cross road H	2	30.00	0.20	0.10	1.20			
	cross road I	1	245.00	0.20	0.10	4.90			
	cross road N	1	140.00	0.20	0.10	2.80			
	cross road O	1	40.00	0.20	0.10	0.80			
	cross road Q	2	40.00	0.20	0.10	1.60			
	cross road V	1	30.00	0.20	0.10	0.60			
	cross road A2	2	50.00	0.20	0.10	2.00			
	cross road A3	1	40.00	0.20	0.10	0.80			
	cross road A4	2	25.00	0.20	0.10	1.00			
	Choudeshwari layout								
	1st cross road	2	80.00	0.20	0.10	3.20			
	2nd cross road	2	75.00	0.20	0.10	3.00			
	3rd cross road	2	80.00	0.20	0.10	3.20			
	4th cross road	2	70.00	0.20	0.10	2.80			
	M M Layout								
	cross road	2	305.00	0.20	0.10	12.20			
						77.74	**Cum**	**6029.55**	**4,68,737.32**
10	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (P.No 27 of I.No.5.30 in PW,P&IWTD SR 2018-19)								
	A.Basic rate	408.00							
	B.Area Weightage 6%	24.48							
	Total	432.48							
	New Kerbs								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	Shri Venkateshwara Temple Road	2	155.00			310.00			
	Balaji Gardenia Layout								
	Cross Road 1A	2	30.00			60.00			
	Cross Road 1B	2	40.00			80.00			
	Cross Road 2A	2	30.00			60.00			
	Cross Road 2B	2	35.00			70.00			
	Cross Road 3	2	30.00			60.00			
	Cross Road 4	2	35.00			70.00			
	Adithya Nagara								
	1st Cross Road ch87 -ch286 LHS	1	200.00			200.00			
	3rd Cross Road	2	125.00			250.00			
	7th cross road	2	50.00			100.00			
	4th cross road @ end	2	75.00			150.00			
	Marammma Temple Surroundings								
	cross road A5	2	26.00			52.00			
	cross road A6	2	50.00			100.00			
	Maramma temple surroundings								
	cross road A	2	85.00			170.00			
	cross road C	2	75.00			150.00			
	cross road H	2	30.00			60.00			
	cross road I	1	245.00			245.00			
	cross road N	1	140.00			140.00			
	cross road O	1	40.00			40.00			
	cross road Q	2	40.00			80.00			
	cross road V	1	30.00			30.00			
	cross road A2	2	50.00			100.00			
	cross road A3	1	40.00			40.00			
	cross road A4	2	25.00			50.00			
	Choudeshwari layout								
	1st cross road	2	80.00			160.00			
	2nd cross road	2	75.00			150.00			
	3rd cross road	2	80.00			160.00			
	4th cross road	2	70.00			140.00			
	M M Layout								
	cross road	2	305.00			610.00			
					/0.45	**3,887.00**			
						8,638.00	**Nos**	**432.48**	**37,35,762.24**
11	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. litem no.24.1 of KPWD S.R Bangalore Circle 2018-2019)								
	A.Basic rate	80.00							
	B.Area Weightage 6%	4.80							
	Total	84.80							
	Kerb Painting								
	Shri Venkateshwara Temple Road	2	155.00		0.35	108.50			
	Balaji Gardenia Layout								
	Cross Road 1A	2	30.00		0.35	21.00			
	Cross Road 1B	2	40.00		0.35	28.00			
	Cross Road 2A	2	30.00		0.35	21.00			
	Cross Road 2B	2	35.00		0.35	24.50			
	Cross Road 3	2	30.00		0.35	21.00			
	Cross Road 4	2	35.00		0.35	24.50			
	Adithya Nagara								
	1st Cross Road ch87 -ch286 LHS	1	200.00		0.35	70.00			
	3rd Cross Road	2	125.00		0.35	87.50			
	7th cross road	2	50.00		0.35	35.00			
	4th cross road @ end	2	75.00		0.35	52.50			
	Marammma Temple Surroundings								
	cross road A5	2	26.00		0.35	18.20			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	cross road A6	2	50.00		0.35	35.00			
	Maramma temple surroundings								
	cross road A	2	85.00		0.35	59.50			
	cross road C	2	75.00		0.35	52.50			
	cross road H	2	30.00		0.35	21.00			
	cross road I	1	245.00		0.35	85.75			
	cross road N	1	140.00		0.35	49.00			
	cross road O	1	40.00		0.35	14.00			
	cross road Q	2	40.00		0.35	28.00			
	cross road V	1	30.00		0.35	10.50			
	cross road A2	2	50.00		0.35	35.00			
	cross road A3	1	40.00		0.35	14.00			
	cross road A4	2	25.00		0.35	17.50			
	Choudeshwari layout								
	1st cross road	2	80.00		0.35	56.00			
	2nd cross road	2	75.00		0.35	52.50			
	3rd cross road	2	80.00		0.35	56.00			
	4th cross road	2	70.00		0.35	49.00			
	M M Layout								
	cross road	2	305.00		0.35	213.50			
						1,360.45	**Sq-m**	**84.80**	**1,15,366.16**
	Road Work								
12	KSRRB M300-14. **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead= (I No-19.14,P No-143)								
	Basic rate	41.00							
	6% AW	2.46							
	8Km lead=(2*1.28*8)	20.48							
	Total	63.94							
	New Asphalt Road								
	Adithya Nagara								
	1st Cross Road	1	355.00	7.00	0.30	745.50			
	2nd Cross Road	1	260.00	6.00	0.30	468.00			
	3rd Cross Road	1	125.00	4.00	0.30	150.00			
	4th Cross Road	1	120.00	6.00	0.30	216.00			
	5th Cross Road	1	155.00	5.50	0.30	255.75			
	6th Cross Road	1	120.00	6.00	0.30	216.00			
	Cross road A	1	70.00	5.00	0.30	105.00			
	Cross road B	1	100.00	5.00	0.30	150.00			
	Cross road C	1	130.00	5.50	0.30	214.50			
	Cross road D	1	165.00	5.50	0.30	272.25			
	Cross road E	1	110.00	5.50	0.30	181.50			
	Cross road F	1	170.00	5.00	0.30	255.00			
	Cross road G	1	75.00	5.00	0.30	112.50			
	Cross road H	1	170.00	5.00	0.30	255.00			
	Balaji Gardenia Layout								
	Main Road	1	145.00	7.00	0.30	304.50			
	Cross Road 1A	1	30.00	7.00	0.30	63.00			
	Cross Road 1B	1	40.00	7.00	0.30	84.00			
	Cross Road 2A	1	30.00	7.00	0.30	63.00			
	Cross Road 2B	1	35.00	7.00	0.30	73.50			
	Cross Road 3	1	30.00	7.00	0.30	63.00			
	Cross Road 4	1	35.00	7.00	0.30	73.50			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	New CC Road								
	Shri Venkateshwara Temple Road	1	155.00	12.00	0.30	558.00			
	Ashwathkatte Road								
	Ch 0-17	1	17.00	5.00	0.30	25.50			
	Ch 17-27	1	12.00	8.00	0.30	28.80			
	Ch 0-15	1	15.00	5.00	0.30	22.50			
	Ch 0-17	1	18.00	12.00	0.30	64.80			
	Adithya Nagara								
	cross road I	1	27.00	5.00	0.30	40.50			
	7th cross road	1	120.00	6.50	0.30	234.00			
	Marammma Temple Surroundings								
	cross road A5	1	26.00	4.65	0.30	36.27			
	cross road A6	1	50.00	4.50	0.30	67.50			
	Maramma temple surroundings								
	cross road A	1	85.00	6.00	0.30	153.00			
	cross road C	1	75.00	6.00	0.30	135.00			
	cross road H	1	30.00	4.50	0.30	40.50			
	cross road I	1	245.00	6.50	0.30	477.75			
	cross road K	1	300.00	6.50	0.30	585.00			
	cross road M	1	245.00	6.50	0.30	477.75			
	Over Head Tank Road	1	360.00	6.50	0.30	702.00			
	cross road A2	1	50.00	5.50	0.30	82.50			
	cross road A3	1	40.00	4.00	0.30	48.00			
	cross road A4	1	28.00	5.00	0.30	42.00			
	Choudeshwari layout								
	1st cross road	1	80.00	6.00	0.30	144.00			
	2nd cross road	1	75.00	6.00	0.30	135.00			
	3rd cross road	1	80.00	6.50	0.30	156.00			
	4th cross road	1	70.00	6.50	0.30	136.50			
	M M Layout								
		1	305.00	6.50	0.30	594.75			
	New CC Road								
	Maramma temple surroundings								
	cross road V	1	96.00	4.00	0.20	76.80			
	cross road A2	1	40.00	4.00	0.20	32.00			
	cross road A3	1	40.00	4.50	0.20	36.00			
	cross road A4	1	30.00	4.00	0.20	24.00			
	Choudeshwari layout	1	60.00	4.00	0.20	48.00			
	1st cross road	1	45.00	4.00	0.20	36.00			
	2nd cross road	1	30.00	4.00	0.20	24.00			
	3rd cross road	1	35.00	4.50	0.20	31.50			
	Cross Road X	1	105.00	3.50	0.30	110.25			
	Cross Road A5	1	55.00	4.50	0.30	74.25			
	Cross Road A6	1	50.00	4.00	0.30	60.00			
						9,861.92	**Cum**	**63.94**	**6,30,571.16**
13	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (I No-19.64,P No-147)								
	Basic rate	6.00							
	Area Weightage 6%	0.36							
	Total	6.36							
		Sqm							
	New Asphalt Road								
	Adithya Nagara								
	1st Cross Road	1	355.00	7.00		2,485.00			
	2nd Cross Road	1	260.00	6.00		1,560.00			
	3rd Cross Road	1	125.00	4.00		500.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	4th Cross Road	1	120.00	6.00		720.00			
	5th Cross Road	1	155.00	5.50		852.50			
	6th Cross Road	1	120.00	6.00		720.00			
	Cross road A	1	70.00	5.00		350.00			
	Cross road B	1	100.00	5.00		500.00			
	Cross road C	1	130.00	5.50		715.00			
	Cross road D	1	165.00	5.50		907.50			
	Cross road E	1	110.00	5.50		605.00			
	Cross road F	1	170.00	5.00		850.00			
	Cross road G	1	75.00	5.00		375.00			
	Cross road H	1	170.00	5.00		850.00			
	Balaji Gardenia Layout								
	Main Road	1	145.00	7.00		1,015.00			
	Cross Road 1A	1	30.00	7.00		210.00			
	Cross Road 1B	1	40.00	7.00		280.00			
	Cross Road 2A	1	30.00	7.00		210.00			
	Cross Road 2B	1	35.00	7.00		245.00			
	Cross Road 3	1	30.00	7.00		210.00			
	Cross Road 4	1	35.00	7.00		245.00			
	New CC Road								
	Shri Venkateshwara Temple Road	1	155.00	12.00		1,860.00			
	Ashwathkatte Road								
	Ch 0-17	1	17.00	5.00		85.00			
	Ch 17-27	1	12.00	8.00		96.00			
	Ch 0-15	1	15.00	5.00		75.00			
	Ch 0-17	1	18.00	12.00		216.00			
	Adithya Nagara								
	cross road I	1	27.00	5.00		135.00			
	7th cross road	1	120.00	6.50		780.00			
	Marammma Temple Surroundings								
	cross road A5	1	26.00	4.65		120.90			
	cross road A6	1	50.00	4.50		225.00			
	Maramma temple surroundings								
	cross road A	1	85.00	6.00		510.00			
	cross road C	1	75.00	6.00		450.00			
	cross road H	1	30.00	4.50		135.00			
	cross road I	1	245.00	6.50		1,592.50			
	cross road K	1	300.00	6.50		1,950.00			
	cross road M	1	245.00	6.50		1,592.50			
	Over Head Tank Road	1	360.00	6.50		2,340.00			
	cross road A2	1	50.00	5.50		275.00			
	cross road A3	1	40.00	4.00		160.00			
	cross road A4	1	28.00	5.00		140.00			
	Choudeshwari layout								
	1st cross road	1	80.00	6.00		480.00			
	2nd cross road	1	75.00	6.00		450.00			
	3rd cross road	1	80.00	6.50		520.00			
	4th cross road	1	70.00	6.50		455.00			
	M M Layout								
		1	305.00	6.50		1,982.50			
	New CC Road								
	Maramma temple surroundings								
	Cross Road N	1	96.00	4.00		384.00			
	Cross Road O	1	40.00	4.00		160.00			
	Cross Road Q	1	40.00	4.50		180.00			
	Cross Road R	1	30.00	4.00		120.00			
	Cross Road T	1	60.00	4.00		240.00			
	Cross Road U	1	45.00	4.00		180.00			
	Cross Road V	1	30.00	4.00		120.00			
	Cross Road W	1	35.00	4.50		157.50			
	Cross Road X	1	105.00	3.50		367.50			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	Cross Road A5	1	55.00	4.50		247.50			
	Cross Road A6	1	50.00	4.00		200.00			
						33,386.90	**Sq-m**	**6.36**	**2,12,340.68**
14	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)								
	Basic rate	1882.00							
	6% AW	112.92							
	Sub Total	1994.92							
	New Asphalt Road								
	Adithya Nagara								
	1st Cross Road	1	355.00	7.00	0.15	372.75			
	2nd Cross Road	1	260.00	6.00	0.15	234.00			
	3rd Cross Road	1	125.00	4.00	0.15	75.00			
	4th Cross Road	1	120.00	6.00	0.15	108.00			
	5th Cross Road	1	155.00	5.50	0.15	127.88			
	6th Cross Road	1	120.00	6.00	0.15	108.00			
	Cross road A	1	70.00	5.00	0.15	52.50			
	Cross road B	1	100.00	5.00	0.15	75.00			
	Cross road C	1	130.00	5.50	0.15	107.25			
	Cross road D	1	165.00	5.50	0.15	136.13			
	Cross road E	1	110.00	5.50	0.15	90.75			
	Cross road F	1	170.00	5.00	0.15	127.50			
	Cross road G	1	75.00	5.00	0.15	56.25			
	Cross road H	1	170.00	5.00	0.15	127.50			
	Balaji Gardenia Layout								
	Main Road	1	145.00	7.00	0.15	152.25			
	Cross Road 1A	1	30.00	7.00	0.15	31.50			
	Cross Road 1B	1	40.00	7.00	0.15	42.00			
	Cross Road 2A	1	30.00	7.00	0.15	31.50			
	Cross Road 2B	1	35.00	7.00	0.15	36.75			
	Cross Road 3	1	30.00	7.00	0.15	31.50			
	Cross Road 4	1	35.00	7.00	0.15	36.75			
	Maramma temple surroundings								
	cross road A	1	85.00	6.00	0.15	76.50			
	cross road C	1	75.00	6.00	0.15	67.50			
	cross road H	1	30.00	4.50	0.15	20.25			
	cross road I	1	245.00	6.50	0.15	238.88			
	cross road K	1	300.00	6.50	0.15	292.50			
	cross road M	1	245.00	6.50	0.15	238.88			
	Over Head Tank Road	1	360.00	6.50	0.15	351.00			
	cross road A2	1	50.00	5.50	0.15	41.25			
	cross road A3	1	40.00	4.00	0.15	24.00			
	cross road A4	1	28.00	5.00	0.15	21.00			
	Choudeshwari layout								
	1st cross road	1	80.00	6.00	0.15	72.00			
	2nd cross road	1	75.00	6.00	0.15	67.50			
	3rd cross road	1	80.00	6.50	0.15	78.00			
	4th cross road	1	70.00	6.50	0.15	68.25			
	M M Layout								
		1	305.00	6.50	0.15	297.38			
						4,115.63	**Cum**	**1994.92**	**82,10,342.63**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
15	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)								
	Basic rate	1888.00							
	6% AW	113.28							
	Sub Total	2001.28							
	New Asphalt Road								
	Adithya Nagara								
	1st Cross Road	1	355.00	7.00	0.20	497.00			
	2nd Cross Road	1	260.00	6.00	0.20	312.00			
	3rd Cross Road	1	125.00	4.00	0.20	100.00			
	4th Cross Road	1	120.00	6.00	0.20	144.00			
	5th Cross Road	1	155.00	5.50	0.20	170.50			
	6th Cross Road	1	120.00	6.00	0.20	144.00			
	Cross road A	1	70.00	5.00	0.20	70.00			
	Cross road B	1	100.00	5.00	0.20	100.00			
	Cross road C	1	130.00	5.50	0.20	143.00			
	Cross road D	1	165.00	5.50	0.20	181.50			
	Cross road E	1	110.00	5.50	0.20	121.00			
	Cross road F	1	170.00	5.00	0.20	170.00			
	Cross road G	1	75.00	5.00	0.20	75.00			
	Cross road H	1	170.00	5.00	0.20	170.00			
	Balaji Gardenia Layout								
	Main Road	1	145.00	7.00	0.20	203.00			
	Cross Road 1A	1	30.00	7.00	0.20	42.00			
	Cross Road 1B	1	40.00	7.00	0.20	56.00			
	Cross Road 2A	1	30.00	7.00	0.20	42.00			
	Cross Road 2B	1	35.00	7.00	0.20	49.00			
	Cross Road 3	1	30.00	7.00	0.20	42.00			
	Cross Road 4	1	35.00	7.00	0.20	49.00			
	Maramma temple surroundings								
	cross road A	1	85.00	6.00	0.20	102.00			
	cross road C	1	75.00	6.00	0.20	90.00			
	cross road H	1	30.00	4.50	0.20	27.00			
	cross road I	1	245.00	6.50	0.20	318.50			
	cross road K	1	300.00	6.50	0.20	390.00			
	cross road M	1	245.00	6.50	0.20	318.50			
	Over Head Tank Road	1	360.00	6.50	0.20	468.00			
	cross road A2	1	50.00	5.50	0.20	55.00			
	cross road A3	1	40.00	4.00	0.20	32.00			
	cross road A4	1	28.00	5.00	0.20	28.00			
	Choudeshwari layout								
	1st cross road	1	80.00	6.00	0.20	96.00			
	2nd cross road	1	75.00	6.00	0.20	90.00			
	3rd cross road	1	80.00	6.50	0.20	104.00			
	4th cross road	1	70.00	6.50	0.20	91.00			
	M M Layout								
		1	305.00	6.50	0.20	396.50			
						5,487.50	**Cum**	**2001.28**	**1,09,82,024.00**
16	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.158, I.No.21.6 of PW,P&IWTD SR 2018-19)								
	Basic rate (Issue Rate)	32.00							
	6% AW	1.92							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	Sub Total	33.92							
	New Asphalt Road								
	Adithya Nagara								
	1st Cross Road	1	355.00	7.00		2,485.00			
	2nd Cross Road	1	260.00	6.00		1,560.00			
	3rd Cross Road	1	125.00	4.00		500.00			
	4th Cross Road	1	120.00	6.00		720.00			
	5th Cross Road	1	155.00	5.50		852.50			
	6th Cross Road	1	120.00	6.00		720.00			
	Cross road A	1	70.00	5.00		350.00			
	Cross road B	1	100.00	5.00		500.00			
	Cross road C	1	130.00	5.50		715.00			
	Cross road D	1	165.00	5.50		907.50			
	Cross road E	1	110.00	5.50		605.00			
	Cross road F	1	170.00	5.00		850.00			
	Cross road G	1	75.00	5.00		375.00			
	Cross road H	1	170.00	5.00		850.00			
	Balaji Gardenia Layout								
	Main Road	1	145.00	7.00		1,015.00			
	Cross Road 1A	1	30.00	7.00		210.00			
	Cross Road 1B	1	40.00	7.00		280.00			
	Cross Road 2A	1	30.00	7.00		210.00			
	Cross Road 2B	1	35.00	7.00		245.00			
	Cross Road 3	1	30.00	7.00		210.00			
	Cross Road 4	1	35.00	7.00		245.00			
	Maramma temple surroundings								
	cross road A	1	85.00	6.00		510.00			
	cross road C	1	75.00	6.00		450.00			
	cross road H	1	30.00	4.50		135.00			
	cross road I	1	245.00	6.50		1,592.50			
	cross road K	1	300.00	6.50		1,950.00			
	cross road M	1	245.00	6.50		1,592.50			
	Over Head Tank Road	1	360.00	6.50		2,340.00			
	cross road A2	1	50.00	5.50		275.00			
	cross road A3	1	40.00	4.00		160.00			
	cross road A4	1	28.00	5.00		140.00			
	Choudeshwari layout								
	1st cross road	1	80.00	6.00		480.00			
	2nd cross road	1	75.00	6.00		450.00			
	3rd cross road	1	80.00	6.50		520.00			
	4th cross road	1	70.00	6.50		455.00			
	M M Layout								
		1	305.00	6.50		1,982.50			
						27,437.50	**Sqm**	**33.92**	**9,30,680.00**
17	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.158 I.No.21.7 of PW,P&IWTD SR of 2018-19)								
	Basic rate (Issue Rate)	12.00							
	Area Weightage 6%	0.72							
	Final Rate	12.72							
	Tack Coat For DBM								
	New Asphalt Road								
	Adithya Nagara								
	1st Cross Road	1	355.00	7.00		2,485.00			
	2nd Cross Road	1	260.00	6.00		1,560.00			
	3rd Cross Road	1	125.00	4.00		500.00			
	4th Cross Road	1	120.00	6.00		720.00			
	5th Cross Road	1	155.00	5.50		852.50			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	6th Cross Road	1	120.00	6.00		720.00			
	Cross road A	1	70.00	5.00		350.00			
	Cross road B	1	100.00	5.00		500.00			
	Cross road C	1	130.00	5.50		715.00			
	Cross road D	1	165.00	5.50		907.50			
	Cross road E	1	110.00	5.50		605.00			
	Cross road F	1	170.00	5.00		850.00			
	Cross road G	1	75.00	5.00		375.00			
	Cross road H	1	170.00	5.00		850.00			
	Balaji Gardenia Layout								
	Main Road	1	145.00	7.00		1,015.00			
	Cross Road 1A	1	30.00	7.00		210.00			
	Cross Road 1B	1	40.00	7.00		280.00			
	Cross Road 2A	1	30.00	7.00		210.00			
	Cross Road 2B	1	35.00	7.00		245.00			
	Cross Road 3	1	30.00	7.00		210.00			
	Cross Road 4	1	35.00	7.00		245.00			
	Maramma temple surroundings								
	cross road A	1	85.00	6.00		510.00			
	cross road C	1	75.00	6.00		450.00			
	cross road H	1	30.00	4.50		135.00			
	cross road I	1	245.00	6.50		1,592.50			
	cross road K	1	300.00	6.50		1,950.00			
	cross road M	1	245.00	6.50		1,592.50			
	Over Head Tank Road	1	360.00	6.50		2,340.00			
	cross road A2	1	50.00	5.50		275.00			
	cross road A3	1	40.00	4.00		160.00			
	cross road A4	1	28.00	5.00		140.00			
	Choudeshwari layout								
	1st cross road	1	80.00	6.00		480.00			
	2nd cross road	1	75.00	6.00		450.00			
	3rd cross road	1	80.00	6.50		520.00			
	4th cross road	1	70.00	6.50		455.00			
	M M Layout								
		1	305.00	6.50		1,982.50			
	Tack Coat For BC								
	Adithya Nagara								
	1st Cross Road	1	355.00	7.00		2,485.00			
	2nd Cross Road	1	260.00	6.00		1,560.00			
	3rd Cross Road	1	125.00	4.00		500.00			
	4th Cross Road	1	120.00	6.00		720.00			
	5th Cross Road	1	155.00	5.50		852.50			
	6th Cross Road	1	120.00	6.00		720.00			
	Cross road A	1	70.00	5.00		350.00			
	Cross road B	1	100.00	5.00		500.00			
	Cross road C	1	130.00	5.50		715.00			
	Cross road D	1	165.00	5.50		907.50			
	Cross road E	1	110.00	5.50		605.00			
	Cross road F	1	170.00	5.00		850.00			
	Cross road G	1	75.00	5.00		375.00			
	Cross road H	1	170.00	5.00		850.00			
	Balaji Gardenia Layout								
	Main Road	1	145.00	7.00		1,015.00			
	Cross Road 1A	1	30.00	7.00		210.00			
	Cross Road 1B	1	40.00	7.00		280.00			
	Cross Road 2A	1	30.00	7.00		210.00			
	Cross Road 2B	1	35.00	7.00		245.00			
	Cross Road 3	1	30.00	7.00		210.00			
	Cross Road 4	1	35.00	7.00		245.00			
	Maramma temple surroundings								
	cross road A	1	85.00	6.00		510.00			
	cross road C	1	75.00	6.00		450.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	cross road H	1	30.00	4.50		135.00			
	cross road I	1	245.00	6.50		1,592.50			
	cross road K	1	300.00	6.50		1,950.00			
	cross road M	1	245.00	6.50		1,592.50			
	Over Head Tank Road	1	360.00	6.50		2,340.00			
	cross road A2	1	50.00	5.50		275.00			
	cross road A3	1	40.00	4.00		160.00			
	cross road A4	1	28.00	5.00		140.00			
	Choudeshwari layout								
	1st cross road	1	80.00	6.00		480.00			
	2nd cross road	1	75.00	6.00		450.00			
	3rd cross road	1	80.00	6.50		520.00			
	4th cross road	1	70.00	6.50		455.00			
	M M Layout								
		1	305.00	6.50		1,982.50			
						54,875.00	**Sqm**	**12.72**	**6,98,010.00**
18	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)								
	Basic rate (Issue Rate)	6880.00							
	6% AW	412.80							
	Sub Total	7292.80							
	New Asphalt Road								
	Adithya Nagara								
	1st Cross Road	1	355.00	7.00	0.05	124.25			
	2nd Cross Road	1	260.00	6.00	0.05	78.00			
	3rd Cross Road	1	125.00	4.00	0.05	25.00			
	4th Cross Road	1	120.00	6.00	0.05	36.00			
	5th Cross Road	1	155.00	5.50	0.05	42.63			
	6th Cross Road	1	120.00	6.00	0.05	36.00			
	Cross road A	1	70.00	5.00	0.05	17.50			
	Cross road B	1	100.00	5.00	0.05	25.00			
	Cross road C	1	130.00	5.50	0.05	35.75			
	Cross road D	1	165.00	5.50	0.05	45.38			
	Cross road E	1	110.00	5.50	0.05	30.25			
	Cross road F	1	170.00	5.00	0.05	42.50			
	Cross road G	1	75.00	5.00	0.05	18.75			
	Cross road H	1	170.00	5.00	0.05	42.50			
	Balaji Gardenia Layout								
	Main Road	1	145.00	7.00	0.05	50.75			
	Cross Road 1A	1	30.00	7.00	0.05	10.50			
	Cross Road 1B	1	40.00	7.00	0.05	14.00			
	Cross Road 2A	1	30.00	7.00	0.05	10.50			
	Cross Road 2B	1	35.00	7.00	0.05	12.25			
	Cross Road 3	1	30.00	7.00	0.05	10.50			
	Cross Road 4	1	35.00	7.00	0.05	12.25			
	Maramma temple surroundings								
	cross road A	1	85.00	6.00	0.05	25.50			
	cross road C	1	75.00	6.00	0.05	22.50			
	cross road H	1	30.00	4.50	0.05	6.75			
	cross road I	1	245.00	6.50	0.05	79.63			
	cross road K	1	300.00	6.50	0.05	97.50			
	cross road M	1	245.00	6.50	0.05	79.63			
	Over Head Tank Road	1	360.00	6.50	0.05	117.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	cross road A2	1	50.00	5.50	0.05	13.75			
	cross road A3	1	40.00	4.00	0.05	8.00			
	cross road A4	1	28.00	5.00	0.05	7.00			
	Choudeshwari layout								
	1st cross road	1	80.00	6.00	0.05	24.00			
	2nd cross road	1	75.00	6.00	0.05	22.50			
	3rd cross road	1	80.00	6.50	0.05	26.00			
	4th cross road	1	70.00	6.50	0.05	22.75			
	M M Layout								
		1	305.00	6.50	0.05	99.13			
						1,371.88	**Cum**	**7292.80**	**1,00,04,810.00**
19	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen (P.No.162, I.No.21.22.6)								
	Basic rate (Issue Rate)	7972.00							
	6% AW	478.32							
	Sub Total	8450.32							
	New Asphalt Road								
	For Laying BC								
	Adithya Nagara								
	1st Cross Road	1	355.00	7.00	0.04	99.40			
	2nd Cross Road	1	260.00	6.00	0.04	62.40			
	3rd Cross Road	1	125.00	4.00	0.04	20.00			
	4th Cross Road	1	120.00	6.00	0.04	28.80			
	5th Cross Road	1	155.00	5.50	0.04	34.10			
	6th Cross Road	1	120.00	6.00	0.04	28.80			
	Cross road A	1	70.00	5.00	0.04	14.00			
	Cross road B	1	100.00	5.00	0.04	20.00			
	Cross road C	1	130.00	5.50	0.04	28.60			
	Cross road D	1	165.00	5.50	0.04	36.30			
	Cross road E	1	110.00	5.50	0.04	24.20			
	Cross road F	1	170.00	5.00	0.04	34.00			
	Cross road G	1	75.00	5.00	0.04	15.00			
	Cross road H	1	170.00	5.00	0.04	34.00			
	Balaji Gardenia Layout								
	Main Road	1	145.00	7.00	0.04	40.60			
	Cross Road 1A	1	30.00	7.00	0.04	8.40			
	Cross Road 1B	1	40.00	7.00	0.04	11.20			
	Cross Road 2A	1	30.00	7.00	0.04	8.40			
	Cross Road 2B	1	35.00	7.00	0.04	9.80			
	Cross Road 3	1	30.00	7.00	0.04	8.40			
	Cross Road 4	1	35.00	7.00	0.04	9.80			
	Maramma temple surroundings								
	cross road A	1	85.00	6.00	0.04	20.40			
	cross road C	1	75.00	6.00	0.04	18.00			
	cross road H	1	30.00	4.50	0.04	5.40			
	cross road I	1	245.00	6.50	0.04	63.70			
	cross road K	1	300.00	6.50	0.04	78.00			
	cross road M	1	245.00	6.50	0.04	63.70			
	Over Head Tank Road	1	360.00	6.50	0.04	93.60			
	cross road A2	1	50.00	5.50	0.04	11.00			
	cross road A3	1	40.00	4.00	0.04	6.40			
	cross road A4	1	28.00	5.00	0.04	5.60			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	Choudeshwari layout								
	1st cross road	1	80.00	6.00	0.04	19.20			
	2nd cross road	1	75.00	6.00	0.04	18.00			
	3rd cross road	1	80.00	6.50	0.04	20.80			
	4th cross road	1	70.00	6.50	0.04	18.20			
	M M Layout								
		1	305.00	6.50	0.04	79.30			
						1,097.50	**Cum**	**8450.32**	**92,74,226.20**
20	KSRRB M800-13.**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)								
	Basic rate	429.00							
	6% AW	25.74							
	Sub Total	454.74							
	New Asphalt Road								
	Adithya Nagara								
	1st Cross Road	2.50	355.00	0.10		88.75			
	2nd Cross Road	2.50	260.00	0.10		65.00			
	3rd Cross Road	2.00	125.00	0.10		25.00			
	4th Cross Road	2.50	120.00	0.10		30.00			
	5th Cross Road	2.00	155.00	0.10		31.00			
	6th Cross Road	2.50	120.00	0.10		30.00			
	Cross road A	2.00	70.00	0.10		14.00			
	Cross road B	2.00	100.00	0.10		20.00			
	Cross road C	2.00	130.00	0.10		26.00			
	Cross road D	2.00	165.00	0.10		33.00			
	Cross road E	2.00	110.00	0.10		22.00			
	Cross road F	2.00	170.00	0.10		34.00			
	Cross road G	2.00	75.00	0.10		15.00			
	Cross road H	2.00	170.00	0.10		34.00			
	Balaji Gardenia Layout								
	Main Road	2.50	145.00	0.10		36.25			
	Cross Road 1A	2.50	30.00	0.10		7.50			
	Cross Road 1B	2.50	40.00	0.10		10.00			
	Cross Road 2A	2.50	30.00	0.10		7.50			
	Cross Road 2B	2.50	35.00	0.10		8.75			
	Cross Road 3	2.50	30.00	0.10		7.50			
	Cross Road 4	2.50	35.00	0.10		8.75			
	Maramma temple surroundings								
	cross road A	2.50	85.00	0.10		21.25			
	cross road C	2.50	75.00	0.10		18.75			
	cross road H	2.00	30.00	0.10		6.00			
	cross road I	2.50	245.00	0.10		61.25			
	cross road K	2.50	300.00	0.10		75.00			
	cross road M	2.50	245.00	0.10		61.25			
	Over Head Tank Road	2.50	360.00	0.10		90.00			
	cross road A2	2.00	50.00	0.10		10.00			
	cross road A3	2.00	40.00	0.10		8.00			
	cross road A4	2.00	28.00	0.10		5.60			
	Choudeshwari layout								
	1st cross road	2.50	80.00	0.10		20.00			
	2nd cross road	2.50	75.00	0.10		18.75			
	3rd cross road	2.50	80.00	0.10		20.00			
	4th cross road	2.50	70.00	0.10		17 50			
	M M Layout								

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
		2.50	305.00	0.10		76.25			
						1,063.60	**Sqm**	**454.74**	**4,83,661.46**
21	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.(P.No-187,I No-24.41)								
	Basic rate	337.00							
	Area Weightage 6%	20.22							
	Total	357.22							
		Nos							
	New Asphalt Road								
	Adithya Nagara								
	1st Cross Road	3.00	118.00			354.00			
	2nd Cross Road	3.00	87.00			261.00			
	3rd Cross Road	2.00	42.00			84.00			
	4th Cross Road	3.00	40.00			120.00			
	5th Cross Road	2.00	52.00			104.00			
	6th Cross Road	3.00	40.00			120.00			
	Cross road A	2.00	23.00			46.00			
	Cross road B	2.00	33.00			66.00			
	Cross road C	2.00	43.00			86.00			
	Cross road D	2.00	55.00			110.00			
	Cross road E	2.00	37.00			74.00			
	Cross road F	2.00	57.00			114.00			
	Cross road G	2.00	25.00			50.00			
	Cross road H	2.00	57.00			114.00			
	Balaji Gardenia Layout								
	Main Road	3.00	48.00			144.00			
	Cross Road 1A	3.00	10.00			30.00			
	Cross Road 1B	3.00	13.00			39.00			
	Cross Road 2A	3.00	10.00			30.00			
	Cross Road 2B	3.00	12.00			36.00			
	Cross Road 3	3.00	10.00			30.00			
	Cross Road 4	3.00	12.00			36.00			
						2,048.00	**No**	**357.22**	**7,31,586.56**
22	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5. with OPC at 150 kg/cum and Coarse agrregate 0.86cum, Fine aggregate 0.58cum using Concrete batch Mix Plant at 75 Cum/hr capacity with fixed form Paver(I No-22.1.2,P No-174)								
	Basic rate	3665.00							
	3*55.47	166.41							
	Sub Total	3831.41							

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	6% AW	229.88							
	Sub Total	4061.29							
	New CC Road								
	Shri Venkateshwara Temple Road	1	155.00	12.00	0.15	279.00			
	Ashwathkatte Road								
	Ch 0-17	1	17.00	5.00	0.15	12.75			
	Ch 17-27	1	12.00	8.00	0.15	14.40			
	Ch 0-15	1	15.00	5.00	0.15	11.25			
	Ch 0-17	1	18.00	12.00	0.15	32.40			
	Adithya Nagara								
	cross road I	1	27.00	5.00	0.15	20.25			
	7th cross road	1	120.00	6.50	0.15	117.00			
	Marammma Temple Surroundings								
	cross road A5	1	26.00	4.65	0.15	18.14			
	cross road A6	1	50.00	4.50	0.15	33.75			
	Maramma temple surroundings								
	Cross Road N	1	96.00	4.00	0.15	57.60			
	Cross Road O	1	40.00	4.00	0.15	24.00			
	Cross Road Q	1	40.00	4.50	0.15	27.00			
	Cross Road R	1	30.00	4.00	0.15	18.00			
	Cross Road T	1	60.00	4.00	0.15	36.00			
	Cross Road U	1	45.00	4.00	0.15	27.00			
	Cross Road V	1	30.00	4.00	0.15	18.00			
	Cross Road W	1	35.00	4.50	0.15	23.63			
	Cross Road X	1	105.00	3.50	0.15	55.13			
	Cross Road A5	1	55.00	4.50	0.15	37.13			
	Cross Road A6	1	50.00	4.00	0.15	30.00			
						892.41	**Cum**	**4061.29**	**36,24,339.91**
23	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. (P.No-182,I No-22.6.1)							P 176	
	Basic rate	4916.00							
	7.2*55.47	399.38							
	Sub Total	5315.38							
	6% AW	318.92							
	Sub Total	5634.31							
	New CC Road								
	Shri Venkateshwara Temple Road	1	155.00	12.00	0.15	279.00			
	Ashwathkatte Road								
	Ch 0-17	1	17.00	5.00	0.15	12.75			
	Ch 17-27	1	12.00	8.00	0.15	14.40			
	Ch 0-15	1	15.00	5.00	0.15	11.25			
	Ch 0-17	1	18.00	12.00	0.15	32.40			
	Adithya Nagara								
	cross road I	1	27.00	5.00	0.15	20.25			
	7th cross road	1	120.00	6.50	0.15	117.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
			m	m	m				
	Marammma Temple Surroundings								
	cross road A5	1	26.00	4.65	0.15	18.14			
	cross road A6	1	50.00	4.50	0.15	33.75			
	Maramma temple surroundings								
	Cross Road N	1	96.00	4.00	0.15	57.60			
	Cross Road O	1	40.00	4.00	0.15	24.00			
	Cross Road Q	1	40.00	4.50	0.15	27.00			
	Cross Road R	1	30.00	4.00	0.15	18.00			
	Cross Road T	1	60.00	4.00	0.15	36.00			
	Cross Road U	1	45.00	4.00	0.15	27.00			
	Cross Road V	1	30.00	4.00	0.15	18.00			
	Cross Road W	1	35.00	4.50	0.15	23.63			
	Cross Road X	1	105.00	3.50	0.15	55.13			
	Cross Road A5	1	55.00	4.50	0.15	37.13			
	Cross Road A6	1	50.00	4.00	0.15	30.00			
						892.41	**Cum**	**5634.31**	**50,28,111.95**
						Total Construction Cost			**8,74,96,949.86**
24						**12% GST to Construction Cost**			**1,04,99,633.98**
25						**Cost towards Preparation of DPR 1%**			**10,00,000.00**
26						**Cost towards PMC / Third Party Inspection 1%**			**10,00,000.00**
								Sub Total	**9,99,96,583.84**
27						**Miscellaneous and rounding off**			**3,416.16**
								TOTAL	**10,00,00,000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer
Yelahanka Division Ward -03
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka Division Ward -03
BBMP Bangalore

Executive Engineer,
Yelahanka Division Ward -03
BBMP Bangalore

Administrative Sanction for Rs. Rs.1000.00 Lakhs
Rupees Ten Crores Only
is accorded under head P-3867
Retaination of 110 villages roads
duty laying BWSSB
Registered as CE No. 94 Subject
to conditions contained in enclosed memo
No. BBMP/EE/YNK-II/AS/21-22 Dt. 4/8/2021

Executive Engineer

Technical Sanction
Accorded For Rs1000.00 Lakhs only
Head of A/C P-3867
CER NO : 30 Dt: 26.08.2021

TA

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ